

Emergency Management Competency 1.9

Competency 1.9 Emergency management personnel shall have a familiarity level knowledge of emergency rescue and treatment.

1. Supporting Knowledge and Skills

- a. Discuss the field treatment and transportation requirements for badly injured personnel.
- b. Discuss the qualifications of those who apply basic and advanced first aid, emergency medical technicians, and paramedics.
- c. Discuss symptoms and field treatment of hypothermia and shock.

2. Self-Study Activities (corresponding to the intent of the above competency)

Below are two web sites containing many of the references you may need.

Web Sites		
Organization	Site Location	Notes
Department of Energy	http://wastenot.inel.gov/cted/stdguido.html	DOE Standards, Guides, and Orders
U.S. House of Representatives	http://law.house.gov/cfr.htm	Searchable Code of Federal Regulations

Read the DOE Emergency Management Guide *Interim Guidance for Emergency Medical Support*, pages 1 through 4.

- EXERCISE 1.9-A** Locate your facility's medical support office and request the following information from the medical support staff:
1. What procedures and policies (local, tribal, state, and Federal) determine their work activities?
 2. To what extent do they support the facility/site's emergency management drills and exercises?
 3. What is their involvement in the emergency rescue and treatment of injured or ill facility/site staff?
 4. What off-site medical support facilities do they interface with, and in what way?

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5. What are (and in what local, tribal, state and Federal standards) the qualification requirements for the following:
 - Medical staff who perform basic and advanced first aid
 - Emergency medical technicians
 - Paramedics
 - Other on-site medical support staff

EXERCISE 1.9-B Ask your facility's medical support staff to identify the most common medical problem (and its frequency) at the facility/site requiring emergency treatment.

EXERCISE 1.9-C Ask your facility's medical support staff to identify the medical problems (including symptoms and treatment) postulated to occur at the facility/site during emergency events (as identified in the facility safety analysis report).

Read *Advanced First Aid and Emergency Care*, pages 20 through 23, and 254 through 284, American Red Cross, 1979.

EXERCISE 1.9-D While help is being summoned, describe the emergency treatment for serious injuries.

EXERCISE 1.9-E Describe the indications for immediate rescue.

3. Summary

Review the DOE Emergency Management Guide *Interim Guidance for Emergency Medical Support*, pages 1 through 4.

4. Exercise Solutions

EXERCISE 1.9-A Locate your facility's medical support office and request the following information from the medical support staff:

1. What procedures and policies (local, tribal, state, and Federal) determine their work activities?
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5. What are (and in what local, tribal, state, and Federal standards) the qualification requirements for the following:
- Medical staff who perform basic and advanced first aid
 - Emergency medical technicians
 - Paramedics
 - Other on-site medical support staff

ANSWER 1.9-A The answer is facility- and jurisdiction-specific.

EXERCISE 1.9-B Ask your facility's medical support staff to identify the most common medical problem (and its frequency) at the facility/site requiring emergency treatment.

ANSWER 1.9-B The answer is facility-specific.

EXERCISE 1.9-C Ask your facility's medical support staff to identify the medical problems (including symptoms and treatment) postulated to occur at the facility/site during emergency events (as identified in the facility safety analysis report).

ANSWER 1.9-C The answer is facility-specific.

EXERCISE 1.9-D While help is being summoned, describe the emergency treatment for serious injuries.

- ANSWER 1.9-D
1. Determine the need for immediate removal.
 2. Ensure that the victim has an open airway, and give artificial respiration if necessary.
 3. Control severe bleeding.
 4. Check for injuries.
 5. Give first aid for poisoning or ingestion of harmful chemicals (refer to MSDS if possible).

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EXERCISE 1.9-E Describe the indications for immediate rescue.

- ANSWER 1.9-E
- Fire or explosion danger
 - Danger of asphyxiation due to lack of oxygen or due to gas
 - Serious traffic hazards
 - Risk of drowning
 - Exposure to cold, intense heat, or intense weather conditions
 - Possibility of injury due to potential for collapsing walls
 - Electrical injury or potential of electrical injury
 - Pinning by machinery